



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D412-664-301**  
**Job Sheet 203451**



Part No: D412-664-301

Job Qty: 3 pcs

Part Name: Cap Assembly Bumper



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/19/19

Job Tracking No:

Due Date: 12/9/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: IIN-D212-664 IPP REV:A 11.11.03 new issue DD verf:EC

Ship Via:

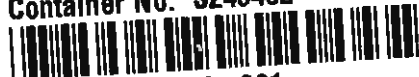
### Bill of Materials

### Job Routing

| Op<br>No | Operation              | Qty   | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off |
|----------|------------------------|-------|------------|-------------|--------------|------------|-----------------------|-----------|----------|
|          |                        |       |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |          |
| 110      | Packaging 1 - Pick Kit | 3 pcs |            | 12/9/19     | 0.00         | 0.00       | Packaging 1 - 1       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 2       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 3       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 4       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 5       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 6       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 7       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 8       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 9       |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 10      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 11      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 12      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 13      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 14      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 15      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 16      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 17      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 18      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 19      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 20      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 21      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 22      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 23      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 24      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 25      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 26      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 27      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 28      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 29      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 30      |           |          |
|          |                        |       |            |             |              |            | Packaging 1 - 31      |           |          |



Container No: S245462



Part: D412-664-301

Job No: 203451

Serial No/Batch: S245462

Revision: J

Inspector:

Exp Date:

Instructions: TC STC SH01-9 Issue 3, FAA STC SRD1298N

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Plex 11/19/19 1:41 PM Dart.lajeunesse.marie

|                                       |       |         |           |                        |                   |
|---------------------------------------|-------|---------|-----------|------------------------|-------------------|
| 120 QC 4                              | 3 pcs | 12/9/19 | 0.00 0.00 | Packaging 1 - 32       |                   |
|                                       |       |         |           | Packaging 1 - 33       |                   |
|                                       |       |         |           | Packaging 1 - 34       |                   |
|                                       |       |         |           | Packaging 1 - 35       |                   |
|                                       |       |         |           | Packaging 1 - 36       |                   |
|                                       |       |         |           | QC 4 - 28              |                   |
| 120 QC 4                              | 3 pcs | 12/9/19 | 0.00 0.00 | QC 4 - 58              |                   |
|                                       |       |         |           | QC 4 - 69              |                   |
|                                       |       |         |           | QC 4 - 9               |                   |
|                                       |       |         |           | QC 4 - 46              |                   |
|                                       |       |         |           | QC 4 - 68              |                   |
|                                       |       |         |           | QC 4 - 72              |                   |
|                                       |       |         |           | QC 4 - 74              |                   |
|                                       |       |         |           | QC 4 - 75              | DAS<br>78<br>9-89 |
|                                       |       |         |           | QC 4 - 78              | JAN 08 2020       |
|                                       |       |         |           |                        |                   |
| 130 Packaging 3-1 - Stock - B4B 3 pcs |       | 12/9/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 2 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 3 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 4 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 5 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 6 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 7 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 8 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 9 - B4B  |                   |
|                                       |       |         |           | Packaging 3 - 10 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 11 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 12 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 13 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 14 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 15 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 16 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 17 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 18 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 19 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 20 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 21 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 22 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 23 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 24 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 25 - B4B | DAS<br>78<br>9-89 |
|                                       |       |         |           | Packaging 3 - 26 - B4B | JAN 08 2020       |
|                                       |       |         |           | Packaging 3 - 27 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 28 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 29 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 30 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 31 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 32 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 33 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 34 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 35 - B4B |                   |
|                                       |       |         |           | Packaging 3 - 36 - B4B | DAS<br>21<br>9-89 |
|                                       |       |         |           |                        | JAN 08 2020       |
|                                       |       |         |           |                        |                   |
| 135 DC - 1 - B4B                      | 3 pcs | 12/9/19 | 0.00 0.00 | DC - 1 - B4B           |                   |
|                                       |       |         |           | DC - 2 - B4B           |                   |
| 140 QC 21 - FG                        | 3 pcs | 12/9/19 | 0.00 0.00 | QC 21 - FG - 21        | DAS<br>21<br>9-89 |
|                                       |       |         |           | QC 21 - FG - 70        | JAN 08 2020       |
|                                       |       |         |           | QC 21 - SA - 53        |                   |

Part Op 110 - (Pick Kit)

Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

130 - (Identify as per dwg &amp; Stock Location: \_\_\_\_\_) Identify and pack for shipping as per PPP D412-664-301

Location:FG124 PPP Rev:\_\_\_\_\_

135 - (Document Control) Photocopy bluefile and create labels per PPP D412-664-301 chg002

140 - (QC21- Final Inspection - Work Order Release)

**Job BOM**

| Part / Item | Component Name      | Quantity          | Operation                  | Container |
|-------------|---------------------|-------------------|----------------------------|-----------|
| D4381-1     | X-tube Strap Bumper | 12 / 6 pcs (2 ea) | 110-Packaging 1 - Pick Kit | 1236587   |

**Job Allocations**

| Operation                  | Component Part | Required | Inventory | Allocated |
|----------------------------|----------------|----------|-----------|-----------|
| 110-Packaging 1 - Pick Kit | D4381-1        | 6        | 2         | 0         |

**Part Specifications**

Specifications could not be found.

Plex 11/19/19 1:41 PM Dart.lajeunesse.marie

Entered: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐



|                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                        |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job: _____<br><br>Part No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br>Skid-tube <input type="checkbox"/> Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/><br>Machining <input type="checkbox"/> Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/><br>Large Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> | Date: _____    Sequence #: _____    QTY Affected: _____<br><br><b>Description Work Order Deviation</b><br><br><div style="border: 1px solid black; height: 150px; width: 100%;"></div> |
|                                  |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                        |
|                                  |                                                                                                                                   | <b>Completed By</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                        |
|                                  |                                                                                                                                   | <b>Lead hand / Supervisor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                        |
|                                  |                                                                                                                                   | <b>QC / QA Coordinator</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                        |

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> | <b>FAULT CATEGORY</b><br><br><table style="width:100%;"> <tr> <td style="width:33%;">                             Contamination <input type="checkbox"/><br/>                             Misaligned/off center <input type="checkbox"/><br/>                             BOM/Route <input type="checkbox"/><br/>                             Broken/Damage/Defect <input type="checkbox"/><br/>                             Incomplete/Unclear Instructions <input type="checkbox"/><br/>                             Drill Holes <input type="checkbox"/><br/>                             Fit/Function <input type="checkbox"/> </td> <td style="width:33%;">                             Pressure/Forced <input type="checkbox"/><br/>                             Bending <input type="checkbox"/><br/>                             Crushing <input type="checkbox"/><br/>                             Cracks <input type="checkbox"/><br/>                             Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br/>                             Marks/Chatter <input type="checkbox"/><br/>                             Mislabeled <input type="checkbox"/> </td> <td style="width:33%;">                             Power Loss/Surge <input type="checkbox"/><br/>                             Folio/Program <input type="checkbox"/><br/>                             Grain Direction <input type="checkbox"/><br/>                             Weld <input type="checkbox"/><br/>                             Wrong Stock Pulled <input type="checkbox"/><br/>                             Out of Sequence <input type="checkbox"/><br/>                             Off-set/Set-up <input type="checkbox"/> </td> </tr> </table> Other/Details: _____ | Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/> |
| Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/>                                                            | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/>                       |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                        |